

**SITE NUMBER:** B-249R-03 (was B-L7-3A)

**LOCAL NAME:** Hemphill #3

**WRIA:** 20.0249B

**NORTH COAST OFF CHANNEL SITE INVENTORY DATA**

**RIVER SYSTEM:** Bogachiel    **DATE:** 5/2/90    **OBSERVER:** Young

**CHANNEL TYPE:** Terrace tributary (wall-based)

**TRIBUTARY TO:** Hemphill Creek - 20.0249

**SITE LOCATION:** R.B. @ River mile - 0.51 (field data)

**LEGAL DESCRIPTION:**

	UPPER END	LOWER END	RIVER TEMP
<b><u>WATER TEMP:</u></b>	8.5 C	9.0 C	9.0 C (Hemphill Cr)
<b><u>FLOW (CFS):</u></b>	< 0.25	0.5 - 1.0	

**SUBSTRATE :** Silty mud and muck in the lower reaches. Some gravel in the mid to upper reach.

**SITE SIZE:**    **Length-** About 375 m of useable habitat.  
                  **Width-** Surface = 4 to 12 ft  
                              Channel = 6 to 15 ft  
                  **Depth-** Maximum = 4 to 8 inches (pools to 1 ft)

**WATER SOURCE:** Seep springs and small valley wall tribs from off of the steep hillside to the south and west of the channel

**DIRECTIONS TO SITE:** Head north of Grays Harbor on Hwy 101. Turn right just south of m.p. 184 onto the S. Bogachiel Rd. Proceed east on this gravel road 2.5 miles until coming to the W.D.W. boat launch (just east of the Hemp Hill Cr. bridge). Follow a private road at the east end of the boat launch area into a small, rural, residential area & open pasture. Hemp Hill Cr. lies just south of the open field. B-249R-01, B-249R-02 and B-249R-03 lie south east of the field. Also accessible with 4WD by turning east off Hwy 101 0.1 mi. south of m.p. 181 onto a logging road. Follow this road staying left at each major fork. The second left after crossing Hemp Hill Cr. is an older grade which heads down the hill to the valley floor (see site direction map).

**FISH ACCESS AND CURRENT USE:** Coho fry were seen up to 375 m above the mouth of the channel and appear to have unrestricted access to all of the low gradient area. A limited amount of spawning might be feasible in the gravel at the upper end of the useable habitat.

**FLOODING POTENTIAL:** Low.

**LANDOWNER:** Unknown at this time.

**COMMENTS & RECOMMENDATIONS:** Channel B-249R-03 was overlooked during the initial survey of the B-L7 area (Nov. 1989). This right bank trib to Hemp Hill Creek enters the creek at a large alluvial fan. At the time of the original survey it was assumed that B-249R-03 was just one of the many channels of Hemp Hill Creek in the alluvial fan area. The channel was first found to be a separate trib during a subsequent evaluation of the area by Dave King (4/3/90). At that time it was one of the only small tribs in the area that still contained flowing water.

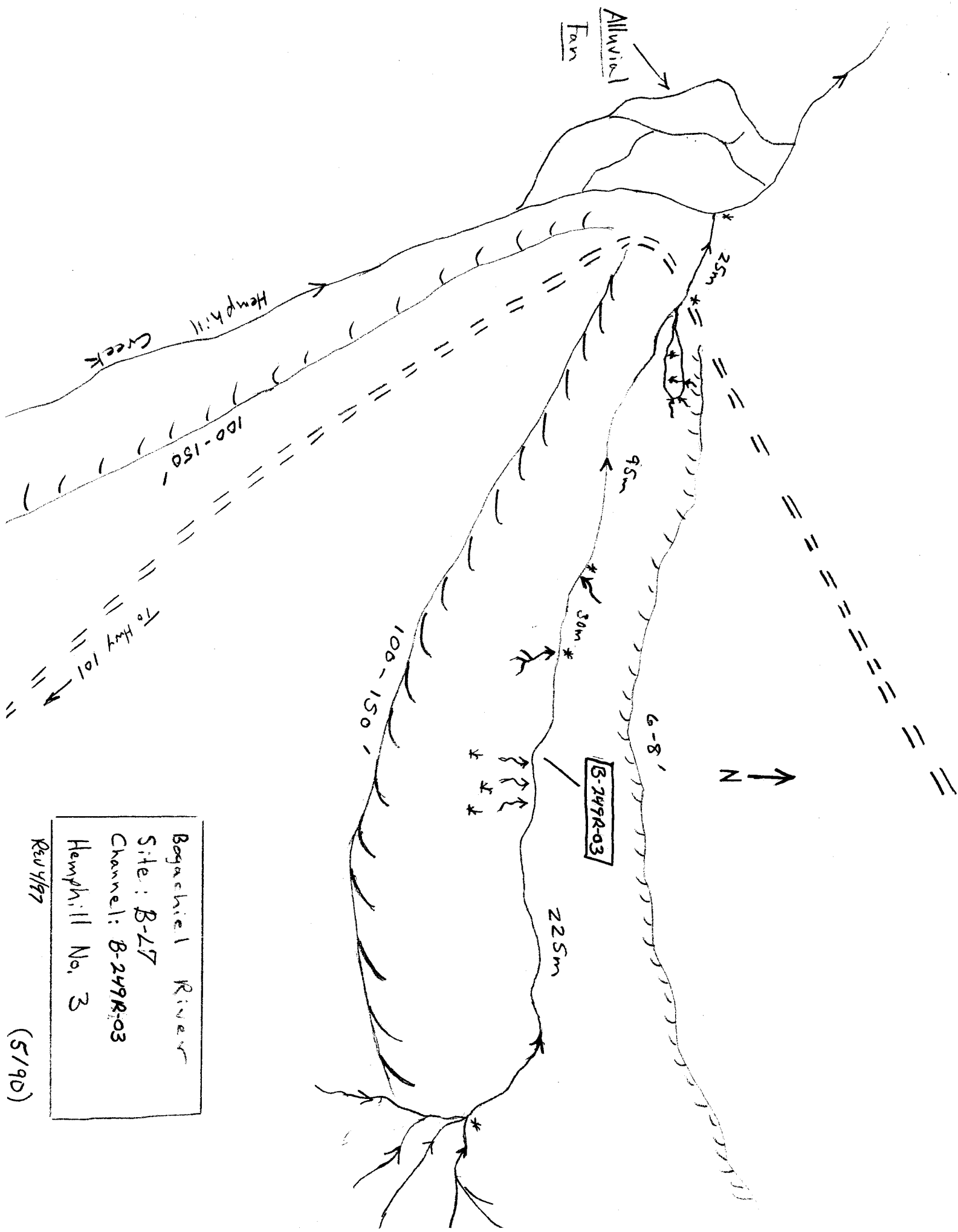
B-249R-03 enters Hemp Hill Creek with a moderate to slow velocity and a flat gradient. It currently has a very healthy flow and appears to have unrestricted fish access.

The trib flows across an old grade about 25 m above the mouth. The culverts at the grade have long ago failed but do not block fish movements. A large shallow pool has formed upstream of the grade.

Upstream of the grade, B-249R-03 meanders along the toe of the steep hillside through mature alder and conifer forest. Numerous small "seep" springs enter the channel from this steep left bank. The lower 300 m of the trib maintains a flat to gentle gradient throughout and appears to provide very good coho rearing habitat.

Near the upper end of the useable habitat the gradient begins to increase. Gravel in this reach may permit limited coho spawning. 350 to 375 m above the mouth of B-249R-03 the gradient becomes prohibitively steep. The channel diverges into a number of much smaller channels as it makes its way up the hill.

B-249R-03 appears to be accessible and well utilized at present. It may be possible to increase the available habitat by deepening and widening of the channel. Installation of control structures to impound more water may be an option. Need to monitor flows and fish utilization throughout the winter.



Bogachiel River

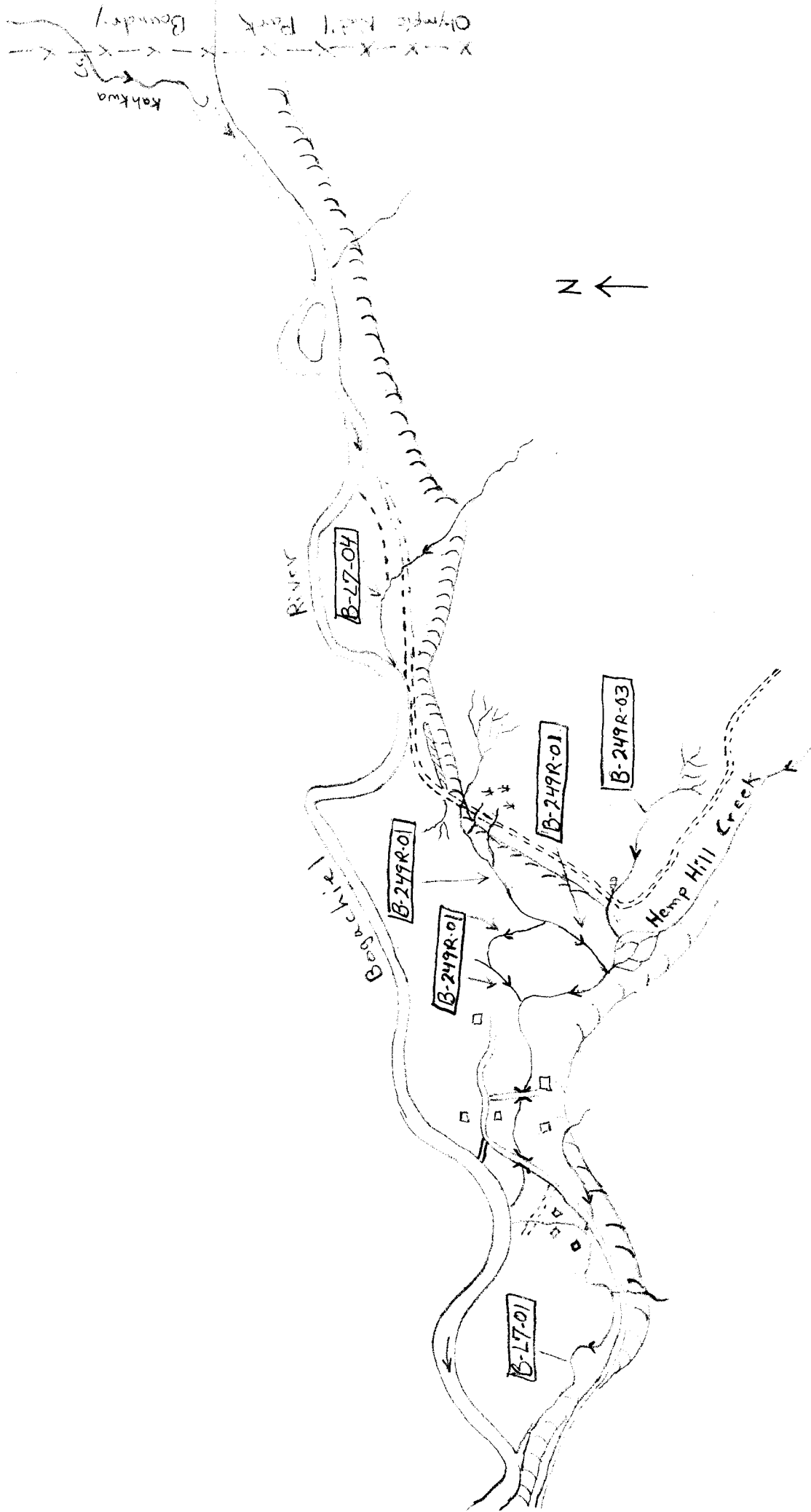
Site: B-27

Channel: B-249R-03

Hemphill No. 3

Rev 4/97

(5/90)



Bogachiel River  
 Site: B-17  
 Overview Map

Revised B-249R-02 (misshd w/B-249R-01)  
 Date 4/97 Rev 5/99 (Rev. 5/90)



# Site Map

